

TABLE OF CONTENTS

DOE BULLETIN BOARD

[What's New on the FEMP Web Site](#)

CONGRESSIONAL ACTIVITIES

[Congressional Schedule](#)

[Status of Pending Authorization Bills of Interest to FEMP](#)

FEDERAL AGENCY ACTIVITIES

[Department of Energy \(DOE\)](#)

[Chicago Region](#)

[Environmental Protection Agency \(EPA\)](#)

[Denver Region](#)

[Federal Energy Regulatory Commission \(FERC\)](#)

[Philadelphia Region](#)

[Atlanta Region](#)

[Seattle Region](#)

[Boston Region](#)

STATE AND LOCAL GOVERNMENT ACTIVITIES

[General Announcements](#)

[Denver Region](#)

[Atlanta Region](#)

[Philadelphia Region](#)

[Boston Region](#)

[Seattle Region](#)

[Chicago Region](#)

UTILITIES AND SUPPLIER ACTIVITIES

[General Announcements](#)

[Denver Region](#)

[Atlanta Region](#)

[Philadelphia Region](#)

[Boston Region](#)

[Seattle Region](#)

[Chicago Region](#)

PRIVATE SECTOR

General Announcements

Atlanta Region

Boston Region

Chicago Region

Denver Region

Philadelphia Region

Seattle Region

MEETINGS, CONFERENCES AND TRAINING WORKSHOPS

Multiple Regions

Atlanta Region

Boston Region

Chicago Region

Denver Region

Philadelphia Region

Seattle Region

STUDIES, REPORTS, AND ANALYSES

Energy and Water Conservation

Alternative Fuels and Vehicles

APPENDICES

A – New Legislation of Interest to FEMP

B – Hearings Schedule

C – New Technologies

D – Meetings, Conferences, and Other Events

The ***FEMP MONTHLY UPDATE*** is prepared expressly for the Department of Energy's Office of Federal Energy Management Programs (FEMP). The purpose of the ***UPDATE*** is to provide FEMP management staff with timely information on topics relevant to the program. This includes the status of pending Federal and state legislation and summaries of public and private sector energy-related activities. The ***FEMP MONTHLY UPDATE*** is prepared for FEMP by Energetics, Incorporated, (202) 479-2748.

DOE BULLETIN BOARD

Short Term Energy Outlook, Energy Information Administration (EIA), February 2004.

Colder than average temperatures by six percent nationally and 19 percent in the Northeast in January raised heating demand and affected fuel prices. The cost for natural gas heated homes is estimated to rise 11 percent from last year's winter season while propane, electric heat, and heating oil should not vary greatly. High crude oil prices over the last two months pushed gasoline costs and pump prices to \$1.57, which is higher than the previous month. West Texas Intermediate prices reached \$34 last month, more than \$2 ahead of the December average. Despite low inventories, a decline in price to \$30 per barrel can be expected if there are no extraordinary demand shortages or interruptions. World oil demand continues to grow at the rate of two percent. Natural gas demand is estimated to have fallen 3.7 percent in 2003, on account of high prices discouraging use. Electricity demand is expected to grow in 2004 and 2005, as influenced by economic expansion.

WHAT'S NEW ON THE FEMP WEB SITE

Required by *E.O. 13123*, the **Presidential Awards for Leadership in Federal Energy Management** honor Federal employees for their support, leadership, and efforts to promote and improve Federal energy management. Presidential Award Nominations are due March 15. The awards recognize outstanding achievement in the areas promoted by FEMP, including conservation and efficient use of energy and water; new and emerging energy technologies; innovative strategies, best practices, and applications; renewable energy sources; alternative financing; and energy-efficient mobility by the Federal government. Visit www.eere.energy.gov/femp/prodtech/presidential_awards.html for more information as well as past presidential award winners.

[Back to Table of Contents](#)

CONGRESSIONAL ACTIVITIES

CONGRESSIONAL SCHEDULE

Congress returns this week after a one-week recess. Refer to [Appendix B](#) for a listing of hearings of interest to the readers of the *FEMP Monthly Update*.

STATUS OF PENDING AUTHORIZATION BILLS OF INTEREST TO FEMP

Comprehensive Energy Legislation The Senate has not established a scheduled to begin consideration of *S. 2095*, the new energy bill that was introduced on February 13 in the Senate by Pete Domenici (R/NM), Chair of the Committee on Energy and Natural Resources. Originally, the bill was tentatively scheduled for consideration on the Senate floor this week after members returned from a week-long recess. The bill, which will bypass the committee mark up process, deletes the reauthorization of the Energy Saving Performance Contracts for Federal facilities. Chairman Domenici picked up on a recommendation of the Congressional Budget Office, suggesting that the Federal Government could save \$3 billion in potential liability if ESPC projects did not realize projected savings. Because Congress is under pressure to reduce the cost of the \$31 billion bill by more than 50 percent, the CBO recommendation became a factor in crafting a new Senate bill. However, some Democrats and their staff have suggested that a provision reauthorizing ESPCs may be attached to another bill to ensure reauthorization.

Joe Barton (R/TX), the new Chair of the House Committee on Energy and Commerce criticized the Senate for drafting a new bill instead of passing the Conference Report for *H.R. 6 – Energy Policy Act of 2003*, which was approved by the House last year. In his remarks, Chairman Barton said, "From the House perspective, it seems most practical and expedient at this point for Senate Republicans to be working toward getting the two more votes needed for cloture [on *H.R. 6*]. Why recreate the wheel when

consideration of the existing conference report is only two votes away?"

Refer to www.eere.energy.gov/femp/resources/initiatives.html - Legislative Databases for the status of pending energy-related legislation.

[Back to Table of Contents](#)

FEDERAL AGENCY

ACTIVITIES

DEPARTMENT OF ENERGY (DOE)

Comments on Interim Report: Causes of the August 14th Blackout in the United States and Canada

DOE has published a summary of public comments on the Interim Report of the U.S.-Canadian Power Systems Outage Task Force, which was released in November 2003. The task force was established last year to determine the cause of the power outage that left over 50 million people without power in August 2003. To view the summary of public comments, visit the Office of Electric Transmission and Distribution website, <http://electricity.doe.gov>.

Solar Thermal Energy Systems The Department of Energy recently announced its intention to seek applications for financial assistance for the development and maintenance of standards for testing solar thermal energy systems. DOE will enter into a Cooperative Agreement with the organization or team of organizations selected for cost-shared financing based on their experience in the development and maintenance of testing regimes, certification of results and performance, and other faculties with regard to thermal efficiency. For additional information on Solicitation Number DE-PS36-04GO94005, visit the DOE Golden Field Office Home Page at www.go.doe.gov/funding.html. The Funding Opportunity Announcement was issued on January 26, 2004.

Continuation of Electricity Advisory Board DOE's announced plans to reestablish the Electricity Advisory Board for a two-year period, beginning in February 2004. The Board will continue to advise the Secretary of Energy on electricity policy issues including:

- DOE electricity programs and initiatives
Current and future capacity of the electricity system on a regional and national basis
- Identification of issues related to capacity, production, delivery, reliability, and utility deregulation/restructuring, and recommendations on policy and DOE initiatives to deal with issues identified
- Coordination between DOE and state and regional officials and the private sector on matters affecting electricity supply and reliability
- Coordination between Federal, state, and utility industry authorities in the event of supply disruption or other emergencies related to electricity generation and distribution.

For more information, contact Rachel Samuel at (202) 586-3279.

New State Energy Efficiency Projects On January 30, Secretary Spencer Abraham announced the selection of 13 new research, development, and demonstration projects designed to increase energy efficiency in the public and private sector. Thirteen joint projects have been selected as a result of the DOE State Technologies Advancement Collaborative in which DOE will contribute \$7 million; Federal funds will be leveraged by \$10 million in investments from state agencies and their partners. In announcing the DOE funding award, Secretary Abraham said:

These projects are an exciting and novel joint approach to energy-efficiency research involving both federal and state dollars and expertise to develop energy smart technologies that save energy and save money. This new business model paves the way for redefining how the federal government and the state's share the responsibility of bringing energy savings to the American people

Projects represent various technologies, including buildings, transportation, industrial, and distributed energy. The program will be administered by the National Associate of State Energy Officials. To view a description of selected projects, go to www.naseo.org/stac.

Rule on Alternative Fuel Fleets On January 29, the Department issued a final rule on the acquisition of alternative fuel vehicle (AFV) fleets for local government and private sector fleets; the rule appeared in the *Federal Register* (page 4219 – 4231). The agency determined that the *Energy Policy Act (EPACT)* requirement that such fleets acquire AFVs, “would not appreciably increase the percentage of alternative fuel and replacement fuel used by motor vehicles in the United States.” Implementation of the AFV requirement would result in “no more than a negligible contribution” to the reduction of dependence on foreign imports of oil. The *EPACT* provision was intended for fleets of 50 or more light-duty vehicles. For more information on the final rule, contact Dana O’Hara at 202-586-9171; a copy of the final rule is available at www.ott.doe.gov/epact/private_fleets.shtml.

National Laboratory Activities

National Renewable Energy Laboratory (NREL) Colorado Governor Bill Owens (R), NREL, and BP America have partnered to produce the Renewable Energy & Efficiency Education on Wheels (RnE2EW) program. The program will provide energy efficiency and renewable energy education to school teachers, students as well as activities at public events. The program kickoff occurred on February 11 during Colorado Energy Education Day on the steps of the state capitol. NREL provided technology demonstrations and other educational exercises for all attendees.

National Renewable Energy Laboratory (NREL) Midwest Research Institute (MRI) has received a four-year contract extension to manage and operate NREL. In a recent visit to NREL, Secretary of Energy Spencer Abraham said of the laboratory, “NREL and its sister facilities are truly the crown jewels of the Energy Department, and, I think, of the federal government... The cutting-edge work that is done in this laboratory to bring about some of the remarkable R&D breakthroughs we've had is to be commended.” Jim Spigarelli of MRI said, “Few national initiatives are considered more important than reducing our country's dependence on foreign oil, and part of the equation involves developing renewable energy and energy efficiency technologies. NREL is the nation's leading research laboratory in this area.” (Source: www.nrel.gov, February 9, 2004)

Lawrence Berkeley National Laboratory (LBNL) LBNL’s Environmental Energy Technologies Division (EETD) will provide research expertise to increase building energy efficiency and improve the indoor environment for employees at the new *New York Times Company* headquarters building, which will be constructed in the Times Square Redevelopment area on Eighth Avenue between 40th and 41st Streets. Research, which will focus on the design and calibration of a daylighting system in a testbed area of the building, will establish procurement specifications for technology solutions for the entire building. Project funding will be provided by the New York Times Company, New York State Energy Research and Development Administration, DOE, and the California Energy Commission. Stephen Selkowitz of EETD, said, “The project will contribute to Berkeley Lab's longer term energy efficiency research goals in several ways... Simulation and field testing will provide a measured database of performance quantifying the benefits of an optimized solution for this building's design. The project will include a calibration and commissioning task, which will help lower costs and improve the operation of the installed systems.” He also said, “We think that demonstrating these technologies in a landmark building will gain them far more attention among manufacturers and specifiers than through more conventional lab-based research.” One technology component of the building is a fully glazed curtain wall which is composed of thin horizontal ceramic tubes placed on a steel framework in front of glass to screen a low-emissivity glass wall, thereby reducing the building's cooling loads. The new building is expected to be completed in 2006. For more information, contact Allan Chen at a_chen@lbl.gov.

Lawrence Berkeley National Laboratory Researchers at LBNL have completed an evaluation to test automated demand response systems at five sites, including a grocery store, a Bank of America office building, a biotechnology facility, a university library, and the Ronald V. Dellums Federal Building in

Oakland, California. The study assessed how demand-response technology directs electrical use in buildings when high energy prices, blackouts, or overloaded electrical demand, imperil the power grid. Mary Ann Piette of LBNL's Environmental Energy Technologies Division and other researchers found that when electric prices broadcast on the Internet reached a certain level, the buildings "automatically took additional preplanned actions to further reduce electrical demand." Arthur Rosenfeld of the California Energy Commission (CEC) said, "The LBNL study complements current initiatives by the CEC and the California Public Utilities Commission to institute dynamic pricing in California. LBNL's results are encouraging in that they indicate that large commercial buildings using off-the-shelf technology can automatically shed load in response to price signals." The technology used in the research is called eXtensible Markup Language (XML), which allows different energy management systems within a building to communicate. The project calls for continued testing at current and future sites. For more information, contact Allan Chen at a_chen@lbl.gov.

ENVIRONMENTAL PROTECTION AGENCY (EPA)

EPA's Green Power Partnership EPA will receive assistance from Green Mountain Energy Company to promote its Green Power Partnership Program to commercial customers in the State of Texas. The program is designed to standardize green power procurement; participants are required to purchase between two to 15 percent green power to fulfill their energy needs. Participants also benefit from use of the Partnership logo, ability to participate in a network of green power purchasers, eligibility for national energy awards, among other incentives. Richard Greene of the EPA said, "Commitments to renewable energy by our Green Power Partners are providing big dividends for our environment and the economy. More than 225 organizations have made a combined commitment to procuring over one billion kilowatt hours of green power annually." Ross Haskell of Green Mountain's Texas region expressed support for the program: "We're excited to work with the EPA to continue to raise awareness of the importance of renewable energy and improved air quality." Consulting services provided by Green Mountain include the Green Mountain Energy Commercial Month-to-Month plan, the Green Mountain Energy Commercial Reliable Rate plan, and the Green Mountain Energy Commercial 100 percent Wind Plan. (Source: *PRNewswire*, February 5, 2004)

FEDERAL ENERGY REGULATORY COMMISSION (FERC)

The Federal Energy Regulatory Commission on Tuesday approved Southwest Power Pool's (SPP) proposed regional transmission organization (RTO) to enhance electricity reliability and facilitate power exchange throughout eight states. The proposal will coordinate interconnection among 11 transmission systems, six municipal systems, and eight generation and transmission cooperatives. The SPP will ensure that regional reliability needs are maintained adequately. (Source: www.ferc.gov, February 10, 2004)

[Back to Table of Contents](#)

ATLANTA REGION

No new activities of interest to report.

BOSTON REGION

No new activities of interest to report.

CHICAGO REGION

No new activities of interest to report.

DENVER REGION

No new activities of interest to report.

PHILADELPHIA REGION

No new activities of interest to report.

SEATTLE REGION

No new activities of interest to report.

[Back to Table of Contents](#)

STATE AND LOCAL GOVERNMENT ACTIVITIES

GENERAL ANNOUNCEMENTS

► *General State Activities*

Using \$3.5 billion in funds to be collected through public benefits programs over the next ten years, 12 states will establish the Clean Energy States Alliance (CESA) to promote clean energy projects for wind, fuel cells, solar, among other renewable technologies. The program draws on the theory that states can be “laboratories of experimentation;” CESA member states include California, Connecticut, Illinois, Massachusetts, Minnesota, New Jersey, New York, Ohio, Oregon, Pennsylvania, Rhode Island, and Wisconsin. Lewis Milford of CESA said, “States see clean energy as a way to improve the environment but also as a powerful economic development tool...By working together rather than going it alone, these states can build even bigger clean energy markets, spur technology innovation, create more jobs in 21st century clean energy industries, and more quickly clean up the environment. They can do all that and save money by leveraging each other’s funding.” Financial support is being provided by the California Energy Commission, Connecticut Clean Energy Fund, Illinois Clean Energy Community Foundation, Massachusetts Technology Collaborative Renewable Energy Trust, New Jersey Clean Energy Program, New York State Energy Research and Development Authority, Energy Trust of Oregon, and the West Penn Power Sustainable Energy Fund. (Source: *Clean Edge News*, January 30, 2004)

ATLANTA REGION

► *General State Activities*

Last October, Florida Governor Jeb Bush (R) overturned a petition filed by Florida Public Interest Research Group (PIRG) and the Southern Alliance for Clean Energy that could have set new energy efficiency standards for ten products sold in the state, resulting in a projected savings for consumers of over \$2.9 billion. In early February, the action was appealed by several environmental groups after the release of a new report highlighting the future of the state energy market. The Florida Energy Office and the Florida Department of Community Affairs commissioned the report, which recommends that the state “adopt and maintain strong energy codes and appliance standards.” (Source: *Environment News Service*, February 2, 2004)

BOSTON REGION

► *General State Activities*

The New York State Energy Research and Development Authority (NYSERDA) reports that New York residents built more homes with certified ENERGYSTAR® components in 2003, than any previous year. Over 1,500 homes were built last year, and since 2000, more than 2,300 have been built.

NYSERDA predicts that 2,500 ENERGYSTAR® certified homes, which use 30 percent less energy than traditional homes, will be built in 2004. (Source: *Dow Jones Newswires*, Jan 22, 2004)

The 16-member New York City Energy Task Force revealed in a recent report that the city must procure 2,600 MW of new electric supply by 2008, in order to meet increasing energy demand. The report included over 24 recommendations for improving the city's electric distribution system, transmission and generation capacity, and energy efficiency measures. Other recommendations include reviving an expired power plant siting law, engaging in long-term power purchase agreements, and expanding the city's energy efficiency programs with an emphasis on coordinating programs among city, state, and local utilities. (Source: *Dow Jones Business News*, January 21, 2004)

CHICAGO REGION

► General State Activities

The Chicago Center for Green Technology (CCGT) is the first municipal building to be awarded a Platinum Leadership in Energy and Environmental Design (LEED) by the U.S. Green Building Council (USGBC). The facility is expected to save \$29,000 annually in energy costs through the installation of a ground source heating and cooling system, rooftop solar panels, awnings on windows with southern exposure, and a ground level solar berm. Additionally, the building uses recycled materials, efficient rainwater devices, and smart lighting systems. Chicago's Department of the Environment and others successfully transformed a brownfield site into this facility. The center contains public and private offices, including the City of Chicago's Greencorps Chicago, the headquarters of WRD Environmental and the Chicago Chapter of USGBC. Marcia Jimenez, Chicago Environment Commissioner, said, "We are gratified by the LEED Platinum certification and the recognition of our efforts to transform the Chicago Center for Green Technology into a model of sustainable design as a resource for both the community and "green" industry professionals." (Source: *Environmental Design+Construction*, January/February 2004)

DENVER REGION

► General State Activities

At a hearing in mid-February, the Colorado House Committee on Transportation and Energy received testimony on a renewable energy bill that is supported by Xcel Energy and other industry groups, but opposed by the Colorado Rural Electric Association. The bill establishes mandated renewable energy goals for utilities regulated by the Public Utilities Commission, which would require Xcel to provide 900 MW of electricity from renewable energy sources by 2010. House Speaker and bill sponsor Lola Spradley (R/Beulah) said, "This is rural economic development that has the strong support of our agriculture community and takes advantage of diverse energy resources in our state." The bill would help insulate consumers from price spikes for natural gas that occurred last year. She also noted, "This assures utilities that investment in renewable energy will be recoverable and included in filings before the Public Utilities Commission...It gives investors the predictability they need if they come to this state." Industry support of the bill includes the Rocky Mountain Farmers Union, the Colorado Oil & Gas Association, and Environment Colorado. Last year, similar legislation passed in the House but failed to pass the Senate. Xcel supports the bill because renewable energy is becoming more cost competitive. (Source: *Times*, February 04, 2004)

A partnership of environmental organizations in northern Colorado has received a grant from DOE's "Million Solar Roofs" (MSR) initiative. The partnership, which includes the Platte River Power Authority, City of Fort Collins, Sierra Club, Western Area Power Administration, and the Northern Colorado Renewable Energy Society, will work to improve awareness of solar energy and reduce barriers preventing homeowners from installing solar installations, and facilitate the construction of 500 new solar installations by 2010. The MSR includes two types of solar technology: solar electric systems that produce electricity from sunlight and solar thermal systems that produce heat for domestic hot water, or other uses. The City Council of Fort Collins recently passed a resolution to reduce per capita electric consumption by 10 percent by 2012, and reduce peak per capita demand by 15 percent by

2012. To incur these savings, the city will purchase 15 percent of its total electric portfolio from renewable resources by 2017. (Source: www.SolarAccess.com, February 9, 2004)

PHILADELPHIA REGION



No new information to report.

SEATTLE REGION

► General State Activities

New guidelines designed to assist the Pacific Gas & Electric Co., Southern California Edison, and San Diego Gas & Electric in drafting long-term plans to ensure sufficient power capacity at “low and stable rates” were recently approved by the California Public Utilities Commission (CPUC). Commissioner Susan Kennedy said the guidelines are "the single most important decision this commission will make to move California beyond the energy crisis." The long-term plans are the second of a two-step process to ensure that utilities are fully responsible for procuring power. The first phase set parameters for acquiring short term energy supplies for 2004. A statement released by the CPUC said that the utilities "will plan for and procure the energy resources and demand-side investments necessary to ensure their customers receive reliable service at low and stable prices." In addition, utilities must incorporate renewable energy into their resource mix and coordinate power planning with the California Energy Commission. Other points addressed in the guidelines include:

- Utilities must meet their supply needs through energy efficiency, programs to ease demand, and renewable power before adding fossil-fueled generation or transmission
- Utilities must secure 90 percent of supplies plus reserves one year in advance to respond to the high-demand months of May through September
- Utilities must develop models that could lead to local communities building their own power resources from renewable energy and more efficient energy use
- Utilities must meet an operating reserve requirement of 15-17 percent to be phased in before January 1, 2008, compared with the current level of about seven percent
- Utilities must submit power plans by April 2004

(Source: *Reuters*, January 22, 2004)

The San Diego Regional Energy Office (SDREO) received the 2003 Energy Efficiency Award from the State of California’s “Flex Your Power” campaign for its “Cool Savings with Cool Roofs” program. Of the five-state regional program administrators, SDREO installed the most cool roofing materials, attracted the most program participants, and was the sole administrator to achieve their targeted load reduction goal. The Cool Roofs Program offers incentives for the installation of reflective roofing materials that reflect solar energy and reduce air conditioning needs and thereby reduce energy demand by 40 percent. A spokesperson at the Flex Your Power campaign said, "[SDREO's] achievements in energy efficiency rank among the best in the State and your innovative energy- saving strategies have played a key role in helping California become a world leader in energy efficiency." For more information, visit www.sdenergy.org.

[Back to Table of Contents](#)

UTILITIES AND SUPPLIER ACTIVITIES

GENERAL ANNOUNCEMENTS

► *Restructuring Activities*

The Advanced Technology Program of the National Institute of Standards and Technology (NIST) and Evergreen Solar, Inc. have partnered to produce an enhanced String Ribbon(TM) technology for manufacturing solar cells. The cells will enable the growth of four silicon ribbons from a single furnace. The new technology is an improvement over solar cells released only one year ago. Chief Technology Officer at Evergreen Solar Dr. Jack Hanoka, explained that the enhanced technology has “excellent potential to achieve lower costs in producing silicon solar cells.” Project administrators say the String Ribbon technology is one of the leading energy-efficient crystalline silicon processes. (Source: *PRNewswire – FirstCall*, January 22, 2004)

ATLANTA REGION

► *Restructuring Activities*

Green Mountain Energy Co., will assist Florida Power & Light Company (FPL&L) in marketing the utility's "green power" program. The program is designed to provide 3.6 million customers the opportunity to incorporate renewable energy resources in their energy-generation mix. Participants in the “Sunshine Energy” program will pay \$9.75 a month premium each month to enroll. Holly Binns of the Florida Public Interest Research Group said that FP&L will benefit from Green Mountain’s marketing efforts as compared to other utilities because “Most utilities have launched the program and not done a lot to tell their customers that the option is available; it's not been a big priority ... That's why they haven't taken off in the way you'd hoped.” Stephen Smith of the Southern Alliance for Clean Energy said of the program, “It has the biggest potential to be the biggest and largest with their customer base... This could be a trend for our region where there are a lot of programs that are just getting started.” (Source: *The Palm Beach Post*, January 23, 2004)

BOSTON REGION

► *Restructuring Activities*

Community Energy Inc., the Energy Research and Development Authority, Environmental Advocates of New York and the New York Public Interest Research Group presented achievement awards to several New York municipalities, colleges and businesses for purchasing 10 MW of wind-generated energy. Award recipients included the *Times Union*, the first newspaper in the country to use wind energy, and Mohawk Paper Mills Inc., the first paper mill in the nation to use wind energy. George Milner of Mohawk Paper said that using wind generated electricity has attracted customers who are seeking products produced “in an environmentally friendly way.” Currently, 48 MW of wind-generated capacity is produced in New York and several other wind farms are being developed. Governor George Pataki (D) has set a goal for the state to procure 25 percent renewable power by 2013. (Source: *Times Union* (Albany, NY) February 5, 2004)

CHICAGO REGION

No new information to report.

DENVER REGION

► *Restructuring Activities*

The Co-Z Energy Plan, coordinated by the Delta-Montrose Electric Association (DMEA) received the 2003 Achievement in Energy Services award from the Association of Energy Services

Professionals International (AESP). DMEA's Co-Z Energy Plan provides participants with financial assistance for the installation, quality assurance, and ongoing system maintenance of GeoExchange systems that provide heating and cooling for homeowners using renewable energy technology. Dan McClendon of DMEA said, "The success of the Co-Z Energy Plan in increasing the number of GeoExchange systems in our service territory indicates it could be successfully applied to other energy technologies as well." For more information on the Co-Z Energy Plan, call 970-249-4572. For more information on the AESP 2003 Awards, visit www.aesp.org/public/articles/index.cfm?cat=65.

PHILADELPHIA REGION

► *Restructuring Activities*

Somerset County, Pennsylvania will benefit from the construction of its fourth wind farm this summer. Brothersvalley Township Supervisor John Coleman said of the wind farms, "They're pollution-free...I don't see anything wrong with them." Construction of 18 more turbines, emitting 33 MW of power collectively, is pending for Brothersvalley. While construction is set to begin in late summer or early fall, project success is contingent on the renewal of Federal tax credits for wind development. Other pending wind turbine projects include the seven-turbine Freedom Energy LLC project in Upper Turkeyfoot Township, which could begin construction by fall and be online by spring 2005. (Source: *Times-News*, (Pennsylvania) February, 2004)

SEATTLE REGION

► *Restructuring Activities*

The acclaimed restaurant, The French Laundry in Napa Valley, California, is installing a geothermal air conditioning and heating system or Ground-Source Heat Pump System in order to provide 50 percent greater energy efficiency than traditional air conditioning systems. The system, which will rely on the temperature of the earth for heating and cooling, will draw heat and air out of the kitchen in order to induce air circulation and prevent fire hazards. In the summer, cool temperatures of the deep earth will act like a heat sink, absorbing heat from inside the restaurant. In winter, the earth will act as a heat source for radiators. Thomas Keller of the French Laundry said, "The California Preservation Society and the State Office of Historic Preservation have both expressed interest in this project as a historic project with a new energy efficient 'green' system that works in harmony with the historic nature of the site." (Source: *www.Napanews.com*, February 8, 2004)

[Back to Table of Contents](#)

PRIVATE SECTOR

GENERAL ANNOUNCEMENTS

Antron® carpet fiber, by INVISTA™, formerly called DuPont Textiles and Interiors, is the first product for commercial interiors to be certified by a third party company as an Environmentally Preferable Product. Scientific Certification Systems used the Environmental Protection Agency's Environmentally Preferable Purchasing Guidelines to establish their carpet fiber with sustainable design. "The concept of 'Environmentally Preferable' drives manufacturers to go beyond thinking about single environmental attributes and encourage taking a life cycle approach," said Caren Klosterman, Environmental Market Specialist for Antron®. In furthering environmentally responsible practices, INVISTA recently announced plans to build a wind farm at the Antron® manufacturing plant in Kingston, Ontario. (Source: *Environmental Design+ Construction*, January/February 2004)

ATLANTA REGION

Georgia Tech's Technology Square in Atlanta, Georgia, has earned a Silver Leadership in Energy and Environmental Design (LEED) by the U.S. Green Building Council (USGBC). Technology Square is located near the alternatively fueled Tech Trolley. The parking area is covered with white heat-reflecting roofing to reduce heat islands. Inside the parking complex are 13 electric vehicle recharging stations provided by a Department of Energy grant. Additional sustainable attributes include tree transplantation, reduced building footprint, and maximized open space. (Source: *Environmental Design+ Construction*, January/February 2004)

BOSTON REGION

A new partnership in Connecticut, consisting of the Connecticut Transit (CTTRANSIT), Connecticut Clean Energy Fund (CCEF), and Select Energy Services (SES), **is generating 23.1-kW from the roof top of the CTTRANSIT garage with a solar array.** The solar-generated electricity will be used to power the lights in the CTTRANSIT maintenance shop and storage garage. Additionally, the project will help alleviate summertime peak load demands on the grid. "We're delighted that CTTRANSIT is setting an example for companies and governmental agencies throughout Connecticut by deploying solar power," said Arthur Diedrick, Chairman of CCEF. CTTRANSIT has a history of responsible energy use, including the transition to ultra low sulfur fuel in their bus fleet, resulting in a 90 percent reduction in admissions. CTTRANSIT has been involved in public outreach programs to encourage responsible energy use. (Source: *SolarAccess.com News*, February 4, 2004)

CHICAGO REGION

The Des Moines Area Community College was awarded a first place American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) Technology Award during the ASHRAE 2004 Winter Meeting. The award recognizes the innovative designs on the colleges's West Campus. A raised floor system allows all power and telecommunication cords to be easily accessible from any area of the room. An underfloor air distribution system (UFAD) was used for heating and cooling in order to make use of the raised floor and eliminate classroom ductwork. Each classroom has a downflow heat pump that supplies air to an in-floor radiant heating system using heating water supplied by water-to-water heat pumps. (Source: ASHRAE press release, January 24, 2004)

DENVER REGION

No new information to report.

PHILADELPHIA REGION

No new information to report.

SEATTLE REGION

The Northwest Energy Efficiency Alliance (NWEAA) plans to focus on encouraging energy efficiency in grocery stores and healthcare facilities because of their high energy use requirements.. NWEAA will work with these organizations in the region to help them benefit from energy savings this summer. For more information, contact Curt Nichols at 800-411-0834.

The City of Portland, Oregon's Office of Sustainable Development and Seattle, Washington's Resource Venture, are seeking nominations for the BEST (Businesses for an Environmentally Sustainable Tomorrow) Innovation Awards. The awards recognize green business achievements in waste prevention and recycling, water and energy conservation, stormwater pollution prevention, and sustainable building. For more information about the Seattle BEST Innovation Awards visit www.resourceventure.org/best.htm and for the Portland BEST Innovation Awards, see www.sustainableportland.org. The deadline for nominations was February 20.

[Back to Table of Contents](#)

MEETINGS, CONFERENCES, AND TRAINING

WORKSHOPS

- Refer to [Appendix C](#) – New Technologies
- Refer to [Appendix D](#) – Calendar of Upcoming Events.

MULTIPLE REGIONS

The Association of Energy Engineers will offer four online seminars: Commercial HVAC Fundamentals on March 1; Effective Energy Management Program Development on March 2; Optimizing Boiler Efficiency on March 8; and Microturbines on March 22. The first seminar provides background information on commercial operation systems, performance factors, energy efficiency improvement opportunities, and HVAC cost savings. The second seminar consists of a step-by-step process for developing an Energy Master Plan (EMP). The EMP will cover a long range plan on energy procurement, energy-related equipment purchasing, M&V staffing and training, communications, and energy consumption. The third seminar presents an approach to increase boiler efficiency in a variety of facilities by monitoring and assessing boiler performance, correcting maintenance and fuel-wasting problems, identifying hidden energy losses in distribution systems, tuning up boiler plants, and measuring savings in optimization efforts. The fourth seminar examines microturbines as an option to commercial, institutional, and industrial energy users for self-generation of electricity. The program provides a technology review, the development process, the function, vendors, products, installation examples, application, and project economics of microturbines. For more information, go to www.aeecenter.org/training or www.aeecenter.org/realtime.

ATLANTA REGION

No meetings of interest to report.

BOSTON REGION

The United States Combined Heat and Power Association is sponsoring the 5th Annual USCHPA Policy Day Conference in Washington, D.C., on May 10-12. The program will provide the opportunity to network with peers, the market, government, and exhibitors revealing the latest CHP-related products and services. For more information, visit www.uschpa.org.

The U.S. Department of Energy and other organizations are sponsoring Energy 2004 in Rochester, New York, on August 8-11. Energy 2004 is the seventh annual gathering of Federal, state, local and private sector energy managers, energy service companies, utilities, procurement officials, engineers, and other energy professionals. The event will provide an opportunity to learn about the latest strategies and products for energy savings in buildings and will feature 63 informative and timely technical sessions on acquisition, alternative financing, operations and maintenance, energy security technologies and strategies, new technologies, policy, planning and leadership, renewables, and sustainability. For more information, visit www.energy2004.ee.doe.gov.

CHICAGO REGION

The Department of Energy, NextEnergy, and Lansing Community College are sponsoring Hydrogen Power: The Promise, The Challenge in Lansing, Michigan, on March 23. The workshop discusses State-based and Federal initiatives for hydrogen and fuel cell technologies. For more information, visit www.sentech.org/HydrogenPowerRegionalWorkshop_MI.htm.

DENVER REGION

The Association of Energy Engineers and Austin Energy are sponsoring the 27th World Energy Engineering Congress and High Performance Facilities Expo in Austin, Texas, on September 22-24. Commercial, industrial, institutional, and governmental customers will attend the event. The conference will consist of workshops, an exhibition floor, a silent auction scholarship fund, and a grand opening night reception. For more information, visit www.energycongress.com.

PHILADELPHIA REGION

The World Resources Institute, AT&T, DuPont, Monsanto and others are sponsoring the Sustainable Enterprise Summit in Washington, DC, on March 17-18. The summit will focus on present challenges and future markets in energy, natural resources, transportation, water, and other topics. For more information, visit http://summit.wri.org/2004_content.cfm?cid=2082.

SEATTLE REGION

The City of Portland's Green Building Program is sponsoring ReThink 2004: Building Response to Climate Change in Portland, Oregon, on February 13-May 26. This training series by local, regional, and international building and environmental experts covers measuring building performance and environmental impacts, balancing environmental and social impacts with environmental costs; designing a zero-energy house and identifying local green materials and product availability. On-line registration and information is available at www.ecotrust.org/rethink.

The U.S. Green Building Council is sponsoring Central Coast GreenBuild Conference and Expo in San Luis Obispo, California, on March 3-4. The conference provides contractors, architects, engineers, planners, and designers, up-to-date information on green buildings with an emphasis on Leadership in Energy and Environmental Design (LEED). For more information, visit www.usgbc.org/Events/events_conference_calendar.asp.

The Department of Energy's Seattle Regional Office and the States of Alaska, Idaho, Oregon, Washington, California, Arizona, and Nevada are sponsoring Energy OutWest in Sacramento, California on April 5-9. The conference will consist of tutorials providing in-depth training and certification, sessions on a wide variety of topics, nationally known keynote speakers, reception and weatherization competition, awards luncheon, and a trade show with the latest products and services. For more information, visit <http://capps.wsu.edu/EOW>.

[Back to Table of Contents](#)

STUDIES, REPORTS, AND ANALYSES

ENERGY AND WATER CONSERVATION

***ASHRAE GreenGuide*, American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), 2003**

This book is an essential reference to sustainable building design. The *GreenGuide* provides guidance to HVAC&R designers from start to finish of the green design process. Subjects discussed include techniques, integration with architectural design, project demolition and more. To obtain the book through on-line order or download, visit www.ashrae.org.

Becoming a Green Star: A Waste Reduction Guide for Anchorage Businesses, Green Star, 2004

This 65-page guide is teeming with tips, examples and resources relating to waste reduction topics, such as recycling, energy efficiency, toxics reduction, and purchasing. The guide is available at www.greenstarinc.org/guideindex.htm.

M&V Energy Savings Scientifically Verified, CPFilms Inc., January 2004

The Measurement and Verification (M&V) study identifies energy savings from window film installations measured using International Performance Measurement and Verification Protocol (IPMVP) methods. The study's results are verified based on an independent assessment from a leading national Energy Services Company (ESCO). The ESCO confirmed CPFilms' results through utility bill analysis for the twelve months following film installation. The study indicates savings in excess of eight percent of the building's total annual electricity consumption with a payback in less than three years. For more information, visit www.energyvortex.com/files/LLumar_Fridh_Case_Study.pdf.

Annual Report for the Green-e Renewable Energy Certification Program, Center for Resource Solutions, January 2004

The report states that in 2002, over 1.9 million MWh of certified renewable resources were procured and a pollution benefit of over 1.2 million tons of avoided carbon dioxide were obtained from Green-e certified products sold. For more information, visit www.energyvortex.com/pages/headlinedetails.cfm?id=1027.

ALTERNATIVE FUELS AND VEHICLES

Green Book, The American Council for Efficient Economy (ACEEE), 2004

The annual guide provides an analysis of the vehicle's environmental friendliness using a ranking measure that incorporates fuel consumption and air pollution, including both tailpipe emissions and the emissions of greenhouse gases. This year, the natural gas powered Civic GX by Honda earned the greenest car of the year, followed by the Honda Insight and Toyota Prius. The Volkswagen Touareg fell to the bottom of the list with other sports utility vehicles on account of its use of diesel fuel. For more information, visit www.aceee.org.

[Back to Table of Contents](#)

APPENDIX A

NEW LEGISLATION OF INTEREST TO FEMP

HOUSE

No legislation of interest to report.

SENATE

No legislation of interest to report.

[Back to Table of Contents](#)

APPENDIX B

HEARINGS SCHEDULE

HOUSE – APPROPRIATIONS

Date/Committee	Chair	Hearing Title/Issues	Witnesses	Time/ Location
February 25 – Subcommittee on Agriculture, Rural Development and Related Agencies	Henry Bonnilla (R/TX)	Hearing – FY 2005 Budget Request for the Department of Agriculture	TBA	9:30 a.m. Room 2362A Rayburn Office Building
February 25 – Subcommittee on Interior and Related Agencies	Charles Taylor (R/NC)	Hearing – FY 2005 Budget Request for the Department of the Interior	Secretary Gale Norton, Department of the Interior	10:00 a.m. Room B-308 Rayburn Office Building
February 26 – Subcommittee on Interior and Related Agencies	Charles Taylor (R/NC)	Hearing – FY 2005 Budget Request for the Department of Energy (focus to include energy efficiency programs)	Secretary Spencer Abraham, Department of Energy	10:00 a.m. Room B-308 Rayburn Office Building
February 26 – Subcommittee on Commerce, Justice, State, and the Judiciary	Frank Wolf (R/VA)	Hearing – FY 2005 Budget Request for the Department of Commerce	Don Evans, Secretary of Commerce	10:00 a.m. Room 2359 Rayburn Office Building

(NEW)

HOUSE – AUTHORIZATIONS/OVERSIGHT

Date/Committee	Chair	Hearing Title/Issues	Witnesses	Time/ Location
February 25 – Committee on the Budget	Jim Nussle (R/IA)	Hearing – Economic Outlook and Current Fiscal Issues	Chairman Alan Greenspan, Federal Reserve System	10:00 a.m. Room 210 Cannon Office Building
February 25 – Committee on Armed Services	Duncan Hunter (R/CA)	Hearing – <i>FY 2005 Defense Authorization bill (focus: Army)</i>	Les Brownlee, Acting Secretary of U.S. Army Peter Schoomaker, Chief of Staff, U.S. Army	10:00 a.m. Room 2118 Rayburn Office Building

(NEW)

Date/Committee	Chair	Hearing Title/Issues	Witnesses	Time/ Location
February 26 – Committee on Armed Services <i>(NEW)</i>	Duncan Hunter (R/CA)	Hearing – <i>FY 2005 Defense Authorization</i> bill (focus: Air Force)	James Roche, Secretary, U.S. Air Force John Jumper, Chief of Staff, U.S. Air Force	9:00 a.m. Room 2118 Rayburn Office Building
February 26 – Subcommittee on Readiness (Committee on Armed Services) <i>(NEW)</i>	Joel Hefley (R/CO)	Hearing – <i>FY 2005 Defense Authorization</i> bill (focus: Military Construction and Family Housing Programs for the Air Force)	<u>Panel 1</u> Raymond DuBois, Jr., Deputy Under Secretary of Defense, Installations and Environment <u>Panel 2</u> Nelson Gibbs, Assistant Secretary of the Air Force, Installations, Environment, and Logistics Dean Fox, Air Force Civil Engineer David Brubaker, Deputy Director, Air National Guard William Rajczak, Deputy to the Chief of Air Force Reserve	2:00 p.m. Room 2118 Rayburn Office Building
February 26 – Subcommittee National Parks, Recreation and Public Lands (Committee on Resources) <i>(NEW)</i>	George Radanovich (R/CA)	Hearing – Oversight hearing to examine the FY 2005 Budget Request for the National Park Service and Bureau of Land Management and ongoing efforts to reduce the agencies' maintenance backlogs	Kathleen Clarke, Bureau of Land Management Fran Mainella, National Park Service	10:00 a.m. Room 1334 Longworth Office Building

SENATE – APPROPRIATIONS

No new hearings, mark ups or votes of interest have been scheduled.

SENATE – AUTHORIZATIONS/OVERSIGHT

Date/Committee	Chair	Hearing Title/Issues	Witnesses	Time/ Location
February 24 – Committee on Energy and Natural Resources (NEW)	Pete Domenici (R/NM)	Hearing – Reliability of the nation’s electricity grid (focus: review North American Reliability Council reliability rules in response to the August 14th electricity blackout)	Michehl Gent, NERC Jimmy Glotfelty, DOE Office of Electric Transmission and Distribution Louise McCarren, Western Electricity Coordinating Council James Torgerson, Midwest Independent Transmission System Operator Phillip Harris, PJM Interconnection	10:00 a.m. Room 366 Dirksen Office Building
March 2 – Committee on Armed Services	John Warner (R/VA)	Hearing – <i>FY 2005 Defense Authorization bill</i>	Les Brownlee, Acting Secretary, U.S. Army Gordon England, Secretary, U.S. Navy James Roche, Secretary, U.S. Air Force	9:30 a.m. Room 216 Hart Office Building

CONFERENCE COMMITTEE NEGOTIATIONS/FLOOR VOTES

No activities of interest scheduled.

[Back to Table of Contents](#)

APPENDIX – NEW TECHNOLOGIES

For informational purposes only. Listing does not imply endorsement.

TECHNOLOGY	MANUFACTURER	MANUFACTURERS CLAIM	CONTACT
HVAC			
Adjustable Flow Device™	DuctSox	In-duct system distributes and disburses air in open ceiling architecture to meet range of HVAC and refrigeration requirements. Benefits include conservation of natural resources, decreased greenhouse gas emissions, reduced operating costs, improved air, thermal and acoustic environments, and enhanced occupant comfort and health.	www.ductsox.com
IQ Glass	Glass Consult	Energy-efficient double pane glass window structure utilizes inner metal oxide coating pane to direct radiant heat to hard-to-heat living spaces. Outer special coating pane keeps heat indoors while repelling cold air. Achieves exceptional levels of thermal insulation and minimizes dust circulation.	www.igglas.com
Hydronic System	WaterFurnace International Inc.	Water-to-water unit in four sizes: 20,000, 30,000, 42,000, and 60,000 Btu. Operates with load temperatures of 30 to 130 degrees Fahrenheit and flow rates as low as 1.5 gpm/ton of well water. Used for radiant floor heating, radiant wall or ceiling heating, industrial process water heating/ cooling, and other applications.	www.waterfurnace.com
Mixed-flow fan	Continental	Adjustable-pitch, mixed-flow impeller provides precise performance matching in diameters from 12-24 inches with capacities ranging from 6000 cfm. Correct choice made from computerized fan selection programs.	www.continentalfan.com/mid.htm
LIGHTING			
LP8 Lighting Control Panel	Watt Stopper	Provides simple, effective control for exterior and interior lighting in small applications. Controls up to 8 channels or zones of lighting. Responds to control signals to turn lighting on and off.	www.wattstopper.com
Twelve™	Focal Point	Twelve-inch low ceiling light application minimizes ceiling contrast, provides smooth and natural illumination, and achieves unparalleled ceiling uniformity	www.focalpointlights.com/defaultx.htm

TECHNOLOGY	MANUFACTURER	MANUFACTURERS CLAIM	CONTACT
Multilume	Liton	Provides lighting flexibility for indoor locations. Creates uniformed look or unique look from down light with adjustable.	www.liton.com
Compact Fluorescent Flood	RAB Electric	Die-cast aluminum floodlight. Uses 42 watts to produce white light. More economical than metal halide, features high power factor and quad-tap electronic ballast. Lasts 10,000 hours, produces 3200 total lm. with minimum 0 degrees Fahrenheit.	www.rabweb.com
ENERGY MANAGEMENT TOOLS			
Lead Dog GQ	PRB Design	Computer software determines sustainability and greenness of a product and positions product for potential use in projects certified by LEED Green Building Rating System. Allows product manufacturers to perform in-depth analysis of source and content of raw materials, recyclability, distribution methods, testing standards, and documentation of their products.	www.prbdesign.com/flash/index.html
TAC Vista IV	TAC	Building management software provides owners and managers ability to choose, install, and operate a variety of building management systems. Combines environmental controls with facility and energy management features. Uses Windows 2000 and runs on TCP/IP standard network equipment.	www.tac-global.com/content.asp
Electric Power Management System	Dranetz/Electrotek	Web-based system collects and communicates data to identify power quality problems and improve performance and reliability of power system infrastructure. Eliminates need to install and update proprietary software. Standard web browser required to access and analyze data via internet.	www.energyusernews.com/CDA/ArticleInformation/products/BNPProductItem/0,2589,117473,00.html
MISCELLANEOUS			
Electronic Air Cleaner	Aprilaire	Patented electronically enhanced media permanently traps particulate even virus-sized particles with an efficiency of 80 percent.	www.aprilaire.com

TECHNOLOGY	MANUFACTURER	MANUFACTURERS CLAIM	CONTACT
Four-Pass Wetback Scotch Boiler	Burnham	Available in sizes up to 800 hp for high and low pressure steam or hot water. Maximum heat transfer from water backed surfaces to provide durability and efficient operation. Uses no proprietary parts or gaskets on the boiler trim or burner, ensuring easy availability of replacement parts.	www.burnhamcommercial.com
Studio Generators	MQ Power	Mobile generators powered by Volvo engines and available in 250-, 500-, 800-, 1400-, and 2400-A models. Provides clean power holding frequency to +/- 0.25 percent and voltage to +/- 1 percent. Features lightweight aluminum sound-silencing housing to protect the unit.	www.multiquip.com/pages-products/gens-weld-light/MQPower-sitemap.html

[Back to Table of Contents](#)

APPENDIX

MEETINGS, CONFERENCES, AND OTHER EVENTS

NOTE: New events are highlighted in **blue**.
DOE-sponsored events are highlighted in **green**.

FEMP Training Calendar: www.eere.energy.gov/femp/newsevents/training.shtml

GENERAL ANNOUNCEMENTS

DATE	EVENT	SPONSOR
March 1, 2004	Commercial HVAC Fundamentals Online Seminar	Association of Energy Engineers
March 2, 2004	Effective Energy Management Program Development Online Seminar	Association of Energy Engineers
March 8, 2004	Optimizing Boiler Efficiency Online Seminar	Association of Energy Engineers
March 22, 2004	Microturbines Online Seminar	Association of Energy Engineers

ATLANTA REGION

DATE	EVENT	SPONSOR
March 4, 2004	State Energy Conference Raleigh, NC	North Carolina State Energy Office
March 18-19, 2004	GREENPRINTS Conference & Tradeshow Atlanta, GA	Department of Energy
April 14, 2004	Funding Green Buildings: Sources & Strategies Atlanta, Georgia	FundingGreenBuildings.com & Georgia Tech University
May 2-5, 2004	10 th Annual National Clean Cities Conference Fort Lauderdale, Florida	Department of Energy
September 16, 2004	Anatomy of a Green Lease Workshop Atlanta, GA	The Corporate Realty, Design, & Management Institute

BOSTON REGION

DATE	EVENT	SPONSOR
March 7-10, 2004	First International Conference on Fuel Cell Development and Deployment Storrs, CT	Connecticut Global Fuel Cell Center
March 9-10, 2004	GLOBALCON 2004 Boston, MA	Association of Energy Engineers, Northeast Energy Efficiency Council, Federal Energy Management Program, and others
March 10-13, 2004	NESEA Building Energy Conference Boston, MA	Northeast Sustainable Energy Association and Massachusetts Technology Collaborative
July 20-22, 2004	FedFleet 2004: The Road to the Future is Now New York, NY	General Services Administration and the Federal Fleet Policy Council
August 8-11, 2004	Energy 2004	Department of Energy, Department of Defense, and General Services Administration
September 9, 2004	Anatomy of a Green Lease Workshop Boston, MA	The Corporate Realty, Design, & Management Institute

CHICAGO REGION

DATE	EVENT	SPONSOR
March 10, 2004	Funding Green Buildings: Sources & Strategies Columbia, MO	FundingGreenBuildings.com & the U.S. Green Building Council Missouri Heartland Organizing Group
March 23, 2004	Hydrogen Power: The Promise, The Challenge Lansing, MI	Department of Energy , NextEnergy, and Lansing Community College
March 28-31, 2004	Global WINDPOWER 2004 Chicago, IL	American Wind Energy Association
April 12-13, 2004	EnvironDesign®8 Minneapolis, MN	Twin Cities of Minneapolis/St. Paul
April 29, 2004	Anatomy of a Green Lease Workshop Detroit, MI	The Corporate Realty, Design, & Management Institute
April 30, 2004	Anatomy of a Green Lease Workshop Cleveland, OH	The Corporate Realty, Design, & Management Institute

DATE	EVENT	SPONSOR
May 11-14, 2004	Energy Smart America 2004: Tools and Solutions for States and Communities Minneapolis, MN	Department of Energy
July 28, 2004	Anatomy of a Green Lease Workshop Minneapolis, MN	The Corporate Realty, Design, & Management Institute

DENVER REGION

DATE	EVENT	SPONSOR
March 14-16, 2004	National Green Building Conference Austin, TX	Builder Magazine, Partnership for Advancing Technology in Housing and Maryland Energy Administration
March 23-24, 2004	Advanced ESPC/Financing Golden, CO	Federal Energy Management Program
April 14-16, 2004	North American Energy Summit Albuquerque, New Mexico	Western Governors' Association
July 26, 2004	Anatomy of a Green Lease Workshop Kansas City, MO	The Corporate Realty, Design, & Management Institute
August 28-September 3, 2004	World Renewable Energy Congress VIII and Expo Denver, Colorado	Department of Energy, American Council on Renewable Energy, Xcel Energy, World Renewable Energy Network and others
September 22-24, 2004	27 th World Energy Engineering Congress & High Performance Facilities Expo Austin, Texas	Association of Energy Engineers and Austin Energy
October 5, 2004	Anatomy of a Green Lease Workshop Houston, TX	The Corporate Realty, Design, & Management Institute
October 27, 2004	Anatomy of a Green Lease Workshop Denver, CO	The Corporate Realty, Design, & Management Institute

PHILADELPHIA REGION

DATE	EVENT	SPONSOR
March 4, 2004	Technical And Financial Assistance To Improve The Energy Efficiency Of Federal Facilities Richmond, VA	Department of Energy's Philadelphia Regional Office
March 9, 2004	Technical And Financial Assistance To Improve The Energy Efficiency Of Federal Facilities Baltimore, MD	Department of Energy's Philadelphia Regional Office

DATE	EVENT	SPONSOR
March 9-11, 2004	National Facilities Management and Technology Baltimore, MD	Building Operating Management & Maintenance Solutions
March 17-18, 2004	World Resources Institute's Sustainable Enterprise Summit Washington, DC	World Resources Institute, AT&T, Monsanto, DuPont, and Weyerhaeuser
March 18, 2004	Technical And Financial Assistance To Improve The Energy Efficiency Of Federal Facilities Washington, D.C.	Department of Energy's Philadelphia Regional Office
March 23, 2004	Technical And Financial Assistance To Improve The Energy Efficiency Of Federal Facilities Pittsburgh, PA	Department of Energy's Philadelphia Regional Office
April 1, 2004	Technical And Financial Assistance To Improve The Energy Efficiency Of Federal Facilities Charleston, WV	DOE's Philadelphia Regional Office
May 10-12, 2004	5th Annual USCHPA Policy Day Conference Washington, D.C.	U.S. Combined Heat and Power Association (U.S. CHPA)
June 27-30, 2004	2004 Future Car Congress Washington, D.C.	DOE and United States Council for Automotive Research
September 13, 2004	Anatomy of a Green Lease Workshop Washington, D.C.	The Corporate Realty, Design, & Management Institute
September 15, 2004	Anatomy of a Green Lease Workshop Washington, D.C.	The Corporate Realty, Design, & Management Institute

SEATTLE REGION

DATE	EVENT	SPONSOR
Present through May 28, 2004	ReThink 2004, Building Response to Climate Change Portland, Oregon	City of Portland
March 1-3, 2004	POWER-GEN Renewable Energy Conference Las Vegas, NV	American Council on Renewable Energy
March 3-4, 2004	Central Coast GreenBuild Conference and Expo San Luis Obispo, CA	U.S. Green Building Council
April 5-9, 2004	Energy OutWest Conference Sacramento, CA	Department of Energy and the states of Alaska, Idaho, Oregon, Washington, California, Arizona, and Nevada

DATE	EVENT	SPONSOR
April 26-30, 2004	Hydrogen: A Clean Energy Choice Los Angeles, CA	National Hydrogen Association & Hydrogen Expo USA
June 3-4, 2004	Greening Rooftops for Sustainable Communities Portland, OR	City of Portland, Oregon and Green Roofs for Healthy Cities
June 3, 2004	Anatomy of a Green Lease Workshop Seattle, WA	The Corporate Realty, Design, & Management Institute
June 5, 2004	Anatomy of a Green Lease Workshop Vancouver, B.C.	The Corporate Realty, Design, & Management Institute
July 10-14, 2004	SOLAR 2004 Portland, OR	Department of Energy, Energy Trust of Oregon, and Eugene Water and Electric Board
October 7, 2004	Anatomy of a Green Lease Workshop Phoenix, AZ	The Corporate Realty, Design, & Management Institute
October 11, 2004	Anatomy of a Green Lease Workshop San Francisco, CA	The Corporate Realty, Design, & Management Institute
October 14, 2004	Anatomy of a Green Lease Workshop Los Angeles, CA	The Corporate Realty, Design, & Management Institute

[Back to Table of Contents](#)